5-022.01 SAN JOAQUIN VALLEY - EASTERN SAN JOAQUIN

Basin Boundaries

Summary

The Eastern San Joaquin groundwater subbasin is defined by the areal extent of the unconsolidated to semi-consolidated sedimentary deposits that are bounded by the San Joaquin County Line and the Mokelumne River on the north and northwest; San Joaquin River on the west; Stanislaus River on the south; and consolidated bedrock on the east. The boundary is defined by 14 segments detailed in the descriptions below.

Segment Descriptions

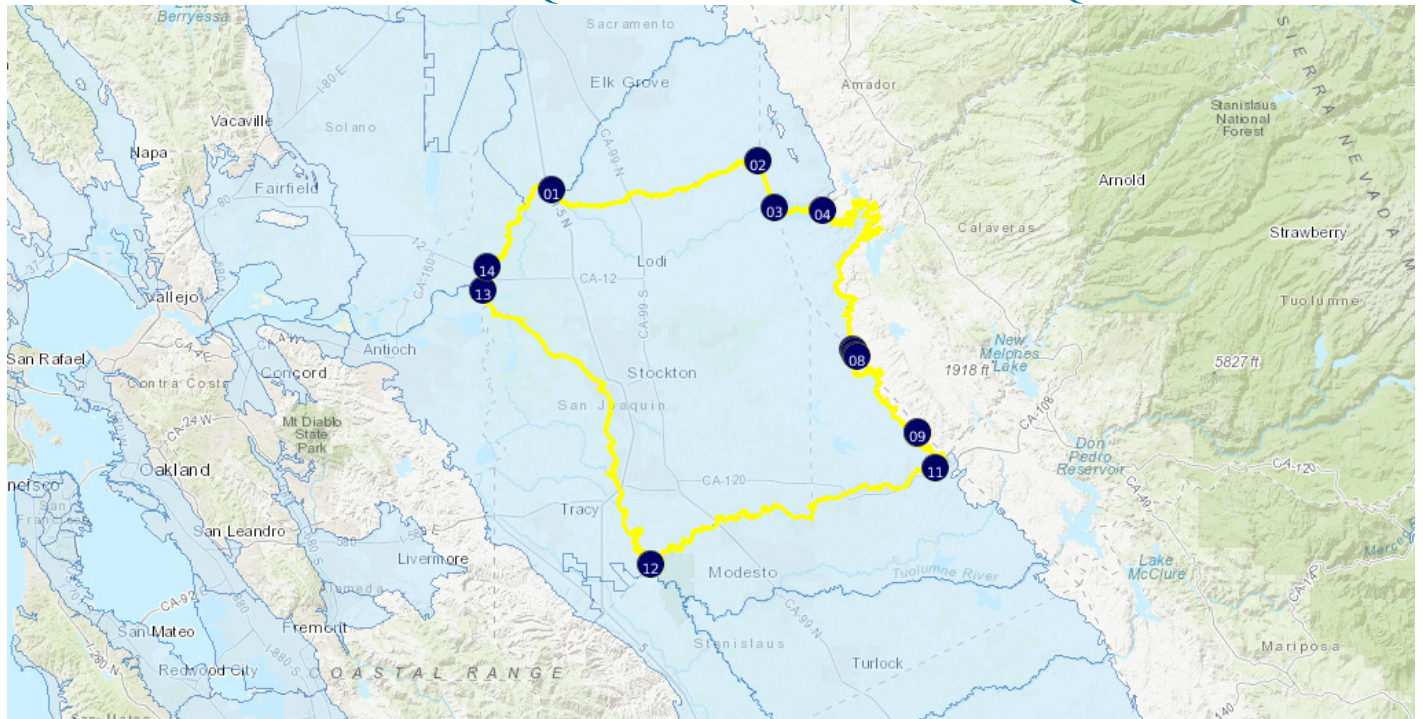| Segment Label	Segment Type	Description	Ref
1-2	[I] County	Begins from point (1) and follows the Sacramento/San Joaquin County line to point (2).	{a}
2-3	[I] County	Continues from point (2) and follows the Amador/San Joaquin County line to point (3).	{a}
3-4	[I] County	Continues from point (3) and follows the Amador/Calaveras County line to point (4).	{a}
4-5	[E] Non-Alluvial	Continues from point (4) and follows the contact of Quaternary and Tertiary deposits with volcanic and plutonic rocks to point (5).	{b}
5-6	[E] Alluvial	Continues from point (5) and crosses the Alluvium to point (6).	{b}
6-7	[E] Non-Alluvial	Continues from point (6) and follows the contact of Quaternary and Tertiary deposits with volcanic rocks to point (7).	{b}
7-8	[E] Alluvial	Continues from point (7) and crosses the older Alluvium to point (8).	{c}
8-9	[E] Non-Alluvial	Continues from point (8) and follows the contact of Quaternary and Tertiary deposits with volcanic rocks to point (9).	{c}
9-10	[E] Alluvial	Continues from point (9) and crosses the older Alluvium to point (10).	{c}
10-11	[E] Non-Alluvial	Continues from point (10) and follows the contact of Quaternary and Tertiary deposits with volcanic rocks to point (11).	{c}
11-12	[I] Stream	Continues from point (11) and follows the Stanislaus River to point (12).	{d}
12-13	[I] Stream	Continues from point (12) and follows the San Joaquin River to point (13).	{d}
13-14	[I] Stream	Continues from point (13) and follows the Mokelumne River to point (14).	{d}
14-1	[I] Stream	Continues from point (14) and follows the North Mokelumne River, and	{d}

ends at point (1).

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Significant Coordinates

Point	Latitude	Longitude
1	38.255313607	-121.439417586
2	38.300121304	-121.027234281
3	38.225354937	-120.995645016
4	38.221618218	-120.899727718
5	38.003699821	-120.838250788
6	38.002466096	-120.835974056
7	37.996055887	-120.8336397
8	37.993037618	-120.831268022
9	37.873010797	-120.709721111
10	37.872386467	-120.709040524
11	37.818244675	-120.67272979
12	37.664857675	-121.241663789
13	38.095777208	-121.576648988
14	38.132915474	-121.568817922

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Map

https://sgma.water.ca.gov/webgis/?appid=160718113212&subbasinid=5-022.01

References

Ref	Citation	Pub Date	Global ID
{a}	California Department of Forestry and Fire Protection (Cal Fire), California Counties and Paired Dataset (cnty15_1).URL: http://frap.fire.ca.gov/data/frapgisdata-subset	2/14/15	2
{b}	California Geological Survey (CGS), Regional Geologic Map No. 1A, Sacramento Quadrangle, 1:250,000, D.L. Wagner, C.W. Jennings, T.L. Bedrossian, and E.J. Bortugno.URL: http://www.quake.ca.gov/gmaps/RGM/sacramento/sacramento.html	1981	5
{c}	California Geological Survey (CGS), Regional Geologic Map No. 5A, San Francisco-San Jose Quadrangle, 1:250,000, D.L. Wagner, E.J. Bortugno, and R.D. McJunkin.URL: http://www.quake.ca.gov/gmaps/RGM/sfsj/sfsj.html	1991	8
{d}	United States Geological Survey (USGS), National Hydrography Dataset, Flowline Dataset for California, note: Coordinated effort among the United States Department of Agriculture-Natural Resources Conservation Service (USDA-NRCS), the United States Geological Survey (USGS), and the Environmental Protection Agency (EPA).URL: http://nhd.usgs.gov/data.html	2/1/2016	1

Footnotes

- I: Internal
- E: External